



TIP32C

PNP SILICON TRANSISTOR

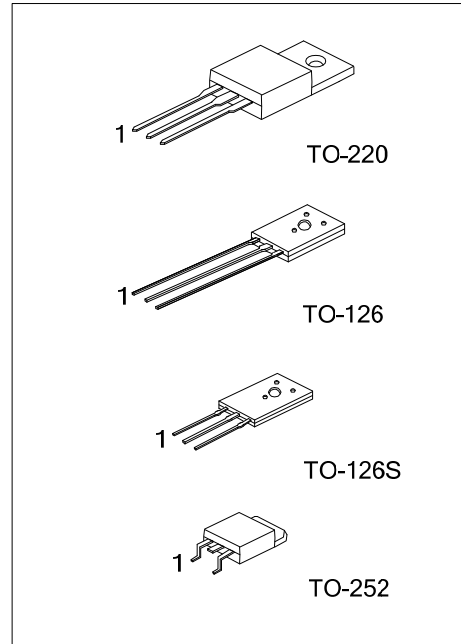
PNP EPITAXIAL PLANAR TRANSISTOR

DESCRIPTION

The UTC TIP32C is a PNP epitaxial planar transistor, designed for using in general purpose amplifier and switching applications.

FEATURES

* Complement to TIP31C



ORDERING INFORMATION

Ordering Number		Package	Pin Assignment			Packing
Lead Free	Halogen Free		1	2	3	
TIP32CL-TA3-T	TIP32CG-TA3-T	TO-220	B	C	E	Tube
TIP32CL-T60-K	TIP32CG-T60-K	TO-126	B	C	E	Bulk
TIP32CL-T6S-K	TIP32CG-T6S-K	TO-126S	B	C	E	Bulk
TIP32CL-TN3-R	TIP32CG-TN3-R	TO-252	B	C	E	Tape Reel

<p>TIP32CL-TA3-T</p> <p>(1) Packing Type</p> <p>(2) Package Type</p> <p>(3) Lead Plating</p>	<p>(1) T: Tube, B: Bulk, R: Tape Reel</p> <p>(2) TA3: TO-220, T60: TO-126, T6S: TO-126S TN3: TO-252</p> <p>(3) L: Lead Free, G: Halogen Free</p>
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■ ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	V _{CB0}	-100	V
Emitter-Base Voltage	V _{EB0}	-5	V
Collector Current	DC	I _C	-3
	PULSE	I _{CM}	-5
Base Current	I _B	-1	A
Power Dissipation	TO-220	P _D	2
	TO-126S/TO-126		1.25
	TO-252		1
Junction Temperature	T _J	+150	°C
Storage Temperature	T _{STG}	-40 ~ +150	°C

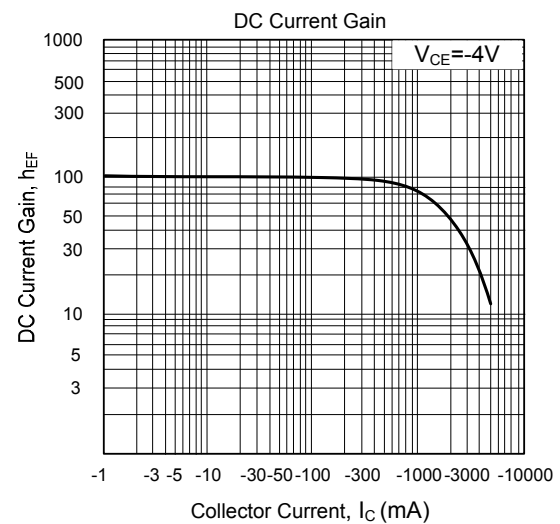
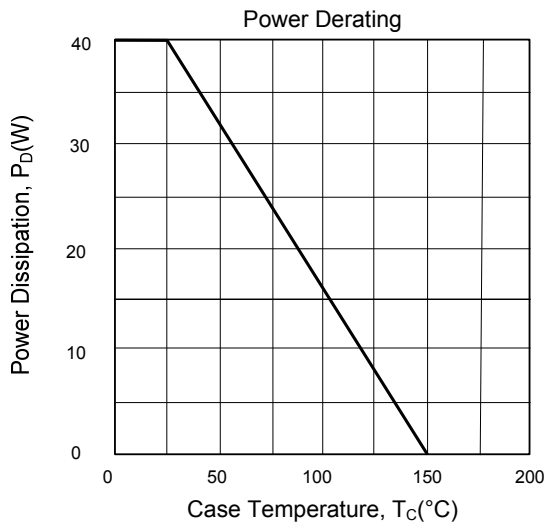
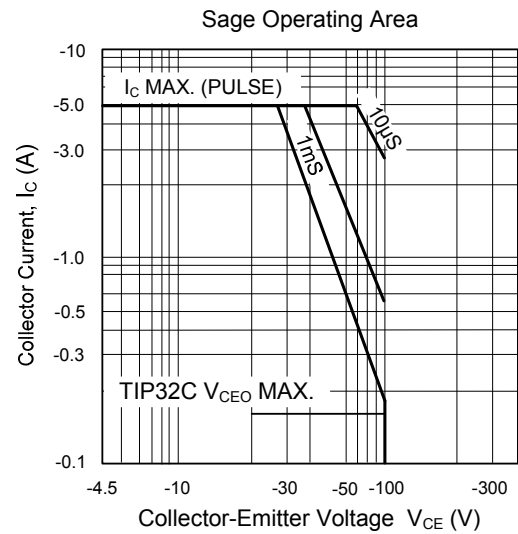
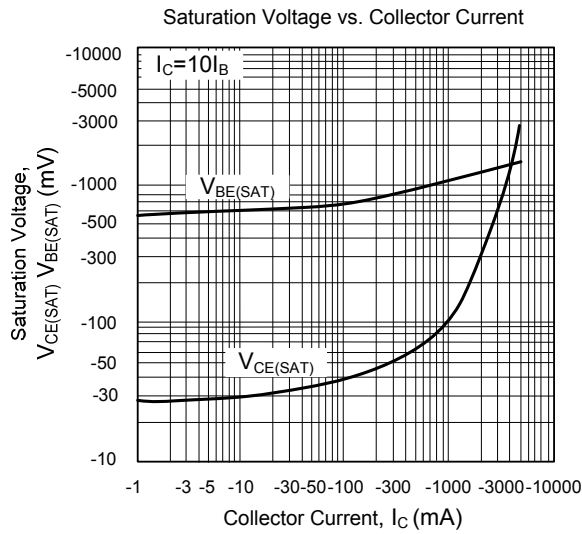
Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise specified.)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Emitter Sustaining Voltage (Note)	BV _{CEO}	I _C =-30mA, I _B =0	-100			V
Collector Cutoff Current	I _{CES}	V _{CE} =-100V, V _{BE} =0			-200	μA
Collector Cutoff Current	I _{CEO}	V _{CE} =-60V, I _B =0			-0.3	mA
Emitter Cutoff current	I _{EBO}	V _{BE} =-5V, I _C =0			-1	mA
Collector-Emitter Saturation Voltage (Note)	V _{CE(SAT)}	I _C =-3A, I _B =-375mA			-1.2	V
Base-Emitter On Voltage*	V _{BE(ON)}	I _C =-3A, V _{CE} =-4A			-1.8	V
DC Current Gain (Note)	h _{FE}	I _C =-1A, V _{CE} =-4V	25			
		I _C =-3A, V _{CE} =-4V	10		50	
Current Gain Bandwidth Product	f _T	I _C =-0.5A, V _{CE} =-10V, f=1MHz	3			MHz

Note: Pulse Test: PW≤300μs, Duty Cycle≤2%

TYPICAL CHARACTERISTICS



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